THE two biggest planets, Jupiter and Saturn, and the smallest, Mercury, are close together in the sunset in the eastern end of the constellation Leo. Jupiter is as big as 1,300 earths; Saturn as 750 earths.



Madazine Page



This Day in History.

THIS is the anniversary of the birth, in 1585, of Cardinal Richelieu, the greatest Frenchman of his time, who raised France to a high place among the powers, thanks to the complaisance of Louis XIII.

Robert W. Chambers' Famous THE STREETS OF ASCALON TRUSTICATED Charles Dana Gibson

A Spirited and Swiftly Moving Romance of Hearts and High Society, by the Greatest Living Master of Fiction.

By Robert W Chambers. † Popular \$50 Funerals! Bury Your Whose Novels Have Won Him International Fame

S Quarren went out he heard his lordship burst forth into his distressing whistle; and he left him searching piercing for inspiration to complete his "Coster's Hornpipe."

On the train Quarren bought the evening papers; and the first item that met his eye was a front-page column devoted to the Dankmere Galleries. Every paper had broken out in glaring scare-heads announcing the recent despoiling of Dankmere arms and the venture into trade of Algernon Cecil Clarence Fayre, tenth Earl of Dankmere. The majority of papers were facetious, one or two scathing, but the more respectable journals managed to repress a part of their characteristic antagonism and report the matter with a minimum of venom and a rather exhaustive historical ac-

"POOR FEER EAGER TO SELL HEIRLOOMS.

"Lord Dankmere's Case Said to Re One of Dozens Among the British Aristocracy

"GAMBLING SPIRIT BLAMED "Observers Ascribe Poverty of Old British Families to This Cause. Many Rent Rolls Declared to Be Mortgaged.

"The opening of the so-called Dankmere Galleries, on Lexington avenue, will bring into the limelight once more a sprightly though somewhat world-battered little peer recently and disastrously connected with the stage and its feminine adjuncts.

"The Dankmere Galleries blossom in a shabby old house flanked on one side by a chop-suey restaurant haunted of celestials, and on the other by an undertaker's establishment displaying the following enterprising sign: Mortem's Family at Attractive Prices! "GAMBOLING DID IT

"Gambling usually lands the British peer on his aristocratic uppers. But in this case gamboling behind the footlights is responsible for the present display of the Dankmere family pictures of young Mr. Quarren of cotillion fame.

"Among supposedly well-to-do English nobles the need for ready cash so frequently reaches the acute stage that all manner of schemes are readily resorted to in an effort to 'raise the wind.'

Sale of Treasures. "Lord Dankmere openly admits

that had he supposed any valuable 'junk' lay concealed in the attics of his mansion, he would, without hesitation, have converted it into ready money long before this. "Lord Dankmere's case is only

one typical of dozens of others among the exclusive and highly placed of Mayfair. It is a known fact that since the sale of the Capri Madonna (Titian) for \$350 .-000 to- the British government, by special act of Parliament, Daffydill Palace has gradually been unloaded of all treasues not tied by the entail of the estate. For the same sum (\$350,000) the late Earl of Blitherington disposed of his famous library, and the sale of the library was known to be necessary for the provision of living funds for the incoming neir. Just recently the Duke of Putney, reputed to be a man of vast wealth, had a difficulty with a dealer concerning the sale of some of his

"Such cases may be justified by circumstances. The general public hears, however, of only a few isolated cases. The number of private deals that are executed, week in, week out, between impoverished members of the highest nobility-some of them bound, like

What Has Happened So Far in "The Streets of Ascalon"

DICK QUARREN, a talented young man, lives in bachelor quarters with friends in apartments known as the Irish Legation. When the story opens Quarren's friends are discussing the return of one of his checks. They assert that society has got a hold on him and is making a nobody out of him. Westgard, who has accepted the check, calls Quarren's attention to it. The latter takes it lightheartedly, saying that he forgot to make a deposit.

Mrs. Wycherly, a cousin of Westguard's brings Strelsa Leeds, a fascinating young widow of scarcely twenty, to call. The men all fall in love with her. Wycherly gives a masked ball and Quarren, as a Harlequin, hunts out Strelsa and, both masked, she not knowing him, they have a battle of wits, in which she promises him an hour out of her life if he will guess who she is. He tells her and claims his forfeit.

Putney by close official ties to the court-and the agents of either new-rich Britishers or wealthy Americans has reached its maximum, and by degrees unentailed treasures and heirlooms are passing from owners of many centuries to families that were unheard of a dozen years ago.

"THE AWFUL YANKEE.

"The American is given priority in the matter of purchase, not only because he pays more, as a rule, but also for the reason that the transfer of his prize to the United States removes the possibility of noble sellers being pestered with awkward questions by the inquisi-For. however, unostentatiously home deals are made and transfers affected, society soon learns the facts. So hard up, however, has the better-known aristocracy become, and so willing are they to trade at fancy sums to anxious purchasers, that several curio dealers in the St. James' quarter hold unlimited power of attorney to act for plutocratic American principals either in the United States or in this country.

"Those who are reasonably entitled to explain the cause of this poverty among old families, whose landed estates are unimpaired in acreage at least, and whose inheritance was of respectable proportions, declare that not since the eighteenth century has the gambling spirit so persistently invaded

The desire to acquire riches quickly seems to have taken hold of the erstwhile staid and conventional upper ten, just as it has seized upon the smart set. The recent booms in oil and rubber have had the effect of transferring many a comfortable rent roll from its owner's bankersmilady's just as often as milord'sto the chartered mortgagors of the financial world. The panic in Ameiica in 1907 showed towhat extent the English nobility was interested. not only in gilt-edged securities, but also to what degree it was involved in wildcat finance. The directing geniuses of many of the suspect ventures of today in London are often the possessors of names that are writ rubric in the pages of Debrett and Burke.

There At Last.

"According to a London radical paper, there are at present over a score of estates in the auction mart which must soon pass from some of the bluest-blooded nobles in Great Britain to men whose fortunes have grown in the past few years from the humblest beginnings, a fact which itself cannot fail to change both the tone and the constitution of town and country society."

Quarren read every column, grimly, to the end, wincing when he encountered some casual reference to himself and his recent social activities. Then, lips compressed, boyish gaze fixed on the passing landscape, he sat brooding until at last the con-

Lord Blitherington and the Duke of + the inside coteries of high society. + ductor opened the door and shouted + like lightning, one hand on the the name of his station.

The Wycherly's new place, Witch-Hollow, a hig rambling farm among the Connecticut hills, was only three hours from New York and half an hour by automobile from the railroad. The buildings were wooden and not new; a fashionable architect had made the large house "colonially" endurable with furnaces and electricity as well as with fan-lights and fluted pilasters.

Most of the land remained wildweed-grown pastures, hard-wood ridges, neglected orchards planted seventy years ago. Molly Wycherly had ordered a brand-new old-time garden to be made for her overlooking the wide, unruffled river; also a series of sylvan paths along the wooded shores of the hill-set lake which was inhabited by bass placed there by orders of her husband.

"For heaven's sake," he said to his wife, "don't try to knock any antiquity into the place: I'm sick of fine old ancestral halls put up by building-loan associations. Plenty of paint and varnish for mine, Molly, and a few durable iron fountains and bronze stags on the lawn---"No, Jim," she said firmly.

So he ordered an airplane, a herd of sheep, a shepherd and two tailless sheep dogs, and made plans to spend most of his vacation yachting, when he did not spend it in town.

But he was restlessly domiciled at Witch-Hollow now, and he met Quarren at the station in a bright purple runabout which he drove

steering wheel, the other carelessly waving toward the streaky landscape in affable explanation of the various points of interest.

"Quite a little colony of us up here, Quarren, he said. "I don't know why anybody picked out this silly country for estates, but Langly Sprowl started a stud farm over yonder, and then poor Chester Ledwith built a house for his wife in the middle of a thousand acres, over there where you see those maple woods-and then people began to come and pick up wornout farms and make 'em into fine family places-Lester Caldera's model dairies are behind that hill; and that leather-headed O'Hara has a bunga low somewhere-and there's a sort of Hunt Club, too, and a bum pack of kiyi's---

The wind tore most of his speech from his lips and whirled it out of earshot; Quarren caught a word now and then which interested him. It also interested him to observe how Wycherly shaved annihilation at every turn of the road.

"I've asked some men to bring up their biplanes and have a few flies on me," continued his host. "I've a 'Stinger' monoplane and a Kent biplane myself. I can't get any more sensations out of motoring. I'd as soon wheel twins in a go-cart."

Quarren saw him cleverly avoid death with one hand, and laughed. "Who is stopping with you up here?" he shouted close to Wycherly's ear.

"Nobody-Mrs. Leeds, Chrysos

A Delightful Romance in Which a Beautiful Girl Makes a Great Sacrifice for the Gifted Young Man She Loves.

some few neighbors, too-Langley is mousing and prowling about! and that poor Ledwith man is all alone in his big house—fixing to get out of it so his wife can move in from Reno when she's ready for more mischief." . . Here we are, Quarren! Your stuff will be in your rooms in a few minutes. There's my wife, now-

He waved his hand to Molly, but let Quarren go forward alone while he started across the fields toward his hangar where, in grotesque and victous-looking immobility, reposed his new winged pet, the little Stinger monoplane wings set as wickedly as an alert wasp's.

CHAPTER IX.

As Quarren came forward between the peonles drooping over the flagged walk, Molly Wycherly, awaiting him on the verands, laid her forefinger across her lips conjuring

"I didn't tell Strelsa that you were coming," she whispered; "I didn't suppose the child could possibly object."

Quarren's features stiffened. "Does she?"

"Why-this morning I said carelessly to Jim that I meant to ask you, and Streisa came into my room latter and begged me not to ask you until she had left."

"Why?" inquired the boy grimly. "I really don't know, Ricky"-"Yes, you do. What has happened?"

"You're certainly rude enough." "What has happened, Molly?" "I don't know for certain, I tell you. . . Langly Sprowl has been roving ground the place a great deal lately. He and Strelsa

ride together nearly every day." "Do you think she has come to an understanding with him?" "She hasn't told me so. Per-

haps she prefers Sir Charles." "Do you believe that?" "Frankly, No. I'm much more

with the variations of the earth's

real motion around it. Four times

in a year, about April 15, June 14,

Lacy and Sir Charles. There are + afraid that Langly has persuaded her into some sort of a tactic engagement. . . I don't know what the child can be thinking of -unless the universal criticism of Langly Sprowl has convinced her of his martyrdom. . . . There'll be a pretty situation when Mary Ledwith returns. . . I could kill Langly"- She doubled both pretty hands and frowned at Quarren, then her swift smile broke out and she placed the tips of her fingers on his shoulders and stooping from the top steps deliberately kissed him.

> Good News. "You dear fellow," she said: "I don't care what Strelsa thinks; I'm glad you've come. And, oh, Elicky! The papers are full of you and Dankmere and your new enterprise!-I laughed and laughed!forgive me, but the papers were so funny-and I couldn't help laughing-

Quarren forced a smile. "I have an idea," he said, "that our new business is destined to command a good deal of respect

"Has Dankmere anything really valuable in his collection?" "I'm taking that risk," he said. gaily. "Wait a few weeks, Molly,

sooner or later."

before you and Jim try to buy the entire collection." "I can see Jim decorating the

new 'Stinger' with old masters.' laughed Molly. "Come upstairs with me; I'll show you your quar ters. Go lightly and don't talk Strelsa is wandering around the house somewhere with a bad casof blue devils, and I'd rather she were over her headache before your appearance adds another dis tressing jolt."

(To Be Continued Tomorrow.) (Copyright, by Robert W. Chambers, Published by Arrangement With Inte-

HOW TO CURE A COLD

-By Brice Belden, M. D.-ROPER treatment of a cold in the head results in marked amelioration of the distress ing symptoms and definitely shortens the attack.

The duration of an attack before treatment is begun modifies the results. If delay has brought about a boggy and swollen condition of the tissues of the usual chambers, recovery will be more delayed than if remedies are applied in the early stage of the acute catarrhal pro-

Local treatment consists in instilling by means of a medicine dropper or an atomizer a few drops of adrenalin solution of a strength of 1 part in 10,000. After the constringent effect of the adrenalin is attained, and it acts very rapidly. it will be found that the patient can draw air through the nostrils, when the nasal chambers should be washed clear of mucus by means of the following lotion in an atomizer: Salt, 15 grains; boric acid, 10 grains; borax, 10 grains; distilled

water, 3 ounces. The parts being thoroughly cleaned, a fine spray of the following should be used as antiseptic, sedative, anesthetic and protective: menthol, 8 grains; camphor, 5

grains; mineral oil, 1 ounce.

Internally, half-teaspoonful doses of bicarbonate of soda should be doses. A hot foot-bath, with mustard in it, and hot lemonade, are useful on going to bed. Half a teaspoonful of sweet spirits of nitre may be added to the hot lemonade and will greatly increase its effi-

Small tonic doses of quinine are a good supportive measure (2 grains three times daily).



By Ruby M.

BUT there was no time for promise to him that had brought him to answer; the train had her here. She would write and ask started As the train bore Eva to her husband's home in the country, she sat

in the corner hardly moving till she

reached her station. Would Phillip

be there to meet her? It seemed

improbable; she did not even troubl

to look for him as she left the plat-But he was there, at the wheel of the little two-seater looking towards

hers, and she felt an insane desire to She had actually thought she could

make this man jealous—this cold, in-different man who was her husband! You were very sure I should come, There was no attempt at any other

greeting. She got in beside him and e started away. It was the same car in which he had driven her the night of the din

ner party, the night when she had kissed him-the night she had had her one golden hour. The words of the song slipped again into her memory

Though all the skies are clouded Though all the portents lour. golden hour."

Unconsciously she found herself saying them aloud. Philip stared at her.
"What did you say?" he asked.

'I didn't say anything—I was just thinking.' "Thinking aloud?" he asked cyni-

She did not answer. He kept his eyes fixed on her. Suddenly: "What's the matter?" he asked, abruptly. "Are you ill?" Her eyes had closed, and she

swayed a little. She forced herself to look at him she had the feeling of having been roughly roused from sleep. 'No-I'm quite well. Tired, that's

Too many late nights," he said,

unemotionally. They went some way in silence, 'I suppose I ought to tell you, Philip said then, "that people have been talking down here—about us Otherwise I should not have asked my mother-

She broke in wildly. -I don't imagine it's her fault that you married me. Philip bit his lip.

"Very well-we won't argue about it. I shall be gone in a couple of weeks, and then, of course, you will be free to do as you like." keep her thoughts from wandering; sometimes his voice seemed

such a long way off, and then sud denly it would almost seem as if he were shouting in her ear. All feeling was numb, but there was just the faintest resentment in her heart still against some she wondered who it could be. She

Ah, yes, of course! It was Tom Calligan with whom she felt resentful. It was he who had pushed her into this fresh hell of suffering; his hands that were forcing her to sit there besides Philip; her

knit her brows, trying to keep her

The car turned in at the drive and stopped at the door of the Highway House. She moved her cramped limbs and got out; she went on into the hall without waiting for Philip. There was a wood looked at it and her thoughts carried her back to the last night she had stayed here, when she had stolen downstairs to leave her note for Philip; she turned and looked at him as he followed her.

she could not go on suffering

"I suppose you burnt my note that night?" she said. Burnt your note? What note:" She laughed as she met his eyes. letters I have written you," she

said with sarcasm. He passed her without a word and went on to the library. She stood looking after him. "It was I who said that," she

was telling herself in a sort of blind terror. "It was my voice that awful, sarcastic voice. what will become of me-what will

She followed Philip into the library. He just glanced at her. "Hadn't you better go and take your hat off? Lunch will be ready

"Yes." But she sat down at the writing table. Philip watched her uneasily. He could not analyze his own feelings towards his wife except that through all the jealousy and bitterness and suffering there was a great pity for her, for her youth and her broken happiness. Some minutes passed before he

"Who are you writing to?" he asked. She started, dropping the pen she had taken up. She put her hand to her head in a confused sort of way. She laughed stupidly.

> (To Be Continued Tomorrow.) Persistency.

Mrs. Hodges was getting annoyed by the continual borrowing of her neighbor, Mrs. Smith. First it was some household utensils, then little articles of grocery and so forth. One morning Mrs. Smith's little girl came to the door and said, "Please, mother says would you lend her a little bit of blacklead and some pepper and a big flat iron for an hour?" Hodges determined to end the hor-"Tell your mother I've got other fish to fry," she snapped. The little girl went, but was back in two minutes with a dish and another request. "Please, mother says could you lend her some of the fried fish?"

The Limit.

"One of the meanest men ever knew was Hatterson. He oked a cigar-if given to himto the last half inch, chewed the stump, and used the ashes for snuff. Then he wasn't satisfied, and gave up smoking." "Why?" and gave up smoking." "Why "Because he could not think any way of using the smoke?"

Grapes for the Bobbie and **Family**

By Loretto C. Lynch. Acknowledged Expert In All Matters Appertaining to House-hold Management.

With the season for grapes here, the thrifty house-7 ITH the season for grapes most of them. Instead of the usually fussy dessert, try serving grapes Place one or two large grape

leaves on a pretty dish. Then pile upon them grapes warm from the vine. Some prefer to pour a dash of boiling water over the grapes to clean th follow and then the fruit should be Instead of the regulation tea or

coffee, try serving pure grape juice. Wash the grapes and mash them. Strain. Add no water, but a trifle of sugar may be added. Serve it tall glasses. Half grape juice and half lemonade may be served hot in stone mugs during Of course you will want to can

some grape juice. This is a simple uses to which grape juice canned may be put during the cold months pensive, every housewife should make it her business to see that the pantry shelf.

Mash the grapes and cook until the seeds fall out. Strain through a cloth bag. Add sugar to taste. Actually boil twenty minutes. Pour into jars that have been sterilized by boiling at least twenty minutes. Rubbers should be dipper into boiling water and adjusted before pouring the juice into jar. The jar should be filled to overflowing and the sterilized cover immediately adjusted and tightened.

This grape juice may be used in punch or it may be combined with mint and ginger ale for a thirstquenching drink There are still folks among us who dislike mayonnaise in any form. For them there is a salad

made from grapes which even the will like. Scald and rinse with cold water sufficient California or Italian eating grapes to make one measuring cup full. Carefully slice each

grape in half, lengthwise, with a sharp knife and remove the seed. Place in a mixing bowl and add an equal quantity of diced apple, sliced banana and half a cup of diced canned pineapple. Add onefourth of a cup of chopped walnuts and half a dozen maraschino cherfore serving, moisten with whipped cream and serve on crisp leaves of lettuce.

Every one wants the directions

for grape jelly. Wash and mash

the desired quantity of grapes. Cook until the seeds fall out. Then

turn into a bag and strain. Measure the juice.

Add three-fourths as much sugar you have juice. More sugar than this results in a jelly which does not hold its shape. Cook until a little dropped upon a very cold plate just holds its shape. Four into glasses. When cold, cover

His Pa

By William F. Kirk. W EN you was a littel boy I bet you dident studdy Gee ology, I sed to Pa. You lose, Bobbie, sed Pa. Wen I

was a littel boy I studdled almoast every-thing, sed Pa. The fate of them plannits in the hevings, Pa sed, the shifting seesons, why a hen goes acros the rode, etc., sed Pa. Of course, of course, sed Ma. Bobble mite have knowed, sed Ma, that

you did everything grate & brite & bel wen you was yung, Ma sed. Eeven the study of rocks was not unknown to you as a child, sed Ma. I have offen herd yure deer old father tell how he was on the rocks moast of the time, sed Ma. My old gent was always there with the bankrole, sed Pa. In that

to me, sed Pa. Why does peepul have to lern them excep wen thay are kids to

Beekaus it is wise & good far neepul to lern all thay can about verything beefoar thay die, sed the moar we know the moar pour ful we are. That is why I am so What can you tell me about Gee ology, so I can tell the teecher

Well, Bobbie, sed Pa, Gee-ology is the stone study, the studdy of rocks & mountings & hills, sed Pr But wen peepul lern Gee-ology is thay any smarter? I sed. Pa. you shud say Are thay. Well, I sed, are thay any smarter

Of course, sed Pa. Everything wich we lern maiks our beans that much moar polished, sed Pa. Our domes of thought needs lots of polish, sed Pa. Talk me for instans sed Pa. I lerned much wen I was yung, & now I am a polished produck of the wurld, sed Pa, reddy & willing to meet all comers, sed Pa Bobbie must lern to be a polished produck of the wurld, too, sed Ma But he must also lern nevver to grate men are the simple men, sed Ma. wich nevver brag & blow about there grateness, Ma sed. How I you cud have been such, sed Ma to Pa. Wud you have me any differnt

than what I am, sed Pa.
Slitely, sed Ma, slitely, but we

ahed & tell Bobbie about his Gee

ology lesson. You know a lot moar

The-ology, sed Ha.
I wonder what is that, The-ology.

ut Gee-ology than you do about

will not have words about it.

Gee, the wurld is full of big words. A Miscellaneous Production.

"Yes," said the teacher, "the egg represents all that is gentlest in creation—the cooing doves, the tuneful song-birds, and the stately swan. . Now, what other gentle things are hatched from eggs?" Snakes, ostriches, alligators, sparrow-hawks and eagles," replied a

THE SUNDIAL

IT REGISTERS TIME MOST ACCURATELY.

inent Astronomer and Writer of HE sundial has given to literature one of its finest allegorical phrases, "The shadow on the dial." What metaphor, or rhetorical figure, excels that in contemplative power?

gray, delicate-edged shade of the gnomon, gradually reaching and covering the successive figures of the hours is a curiously fascinating sight. It is like the march of doom. With a magnifying glass you can see the movement of time's shadowy finger. To the imagination it is an uncanny sight; it is mere motion made visible, for what seems to move is nothing, because a shadow has no substance.

There is no invention that man has ever made which puts under his eyes so startling an image of the fleetingness of life as is furnished by the sundial. The movement o clock hands has no such effect, for that is manifestly a purely mechanical phenomenon. Here, perhaps, lies the occult reason why these instruments have never been popular, why they were often attached to churches and cemeteries, why moral maxims appeared in the mottoes that they bore, and why, these days, whenever you find a man who has taken pains to furnish his garden with a sundial you are sure to discover that he is of a meditative or contemplative dispo-

The sundial tells the true sun time, at the place or on the meridian, where it is situated. Clocks are prevaricators and compro misers. If you want to know the must go to the sundial for that in formation. Your clock will, ordinarily, give

you what is actually somebody else's noon, situated a considerable

distance east or west of you, while

somebody else's clock will give him your noon, and neither will have the real noon. This is all right for general, practical purposes in this all-grasping age, when we have made the world our oyster, and are concerned with all sides of it at once, but it is not right for certain, innumerous persons, who, for one reason or an other, want to know the exact time shown by the real sun at the point on the earth where they happen to live, and not the conventional time shown by what astronomers call the

'fictitious sun," which they have

clocks-nobody being able to make

Animal Police. The following excerpt from

Fabre's "The Story Book of the Field," gives a little 'nsight into the many beneficent uses of the commoner field animals: "The bats deliver us from a host of enemies, and they are outlawed. The mole purges the ground of vermin; the hedgehog makes war on vipers; the owl and all night birds are clever rat-hunters; the adder, the and the lizard feed on the plunderers of our crops." Thus nature sup-plies the husbandman with an efplies the husbander ficient police force.

By GARRETT P. SERVISS, + a clock that could accurately folthrough the sky varies in accord

September 1 and December 24, the clock and the sun agree. The slow on-creeping of the dark There you have the whole philosophy of the sun-dial; it holds up its motionless finger (the gnomen), exactly in the meridian on sunny days, and the sun, traveling from east to west through the sky, throws the shadow of the gnomon onto a graduated dial, and causes that shadow to move castward across the dial; keeping perfect step with its own progress in the opposite direc-

> time at all seasons. The simplest of all forms of sundial, and the easiest to make, is a flat plane of metal or stone, placed horizontally, and having the line of the true meridian of the place, or the true north and south line, drawn through its center. Another line, at right angles to this, is the 6 o'clock, or east and west line.

> tion. It shows the true local sun-

Upon the meridian line is set up the gnomon, a thin triangular piece of metal, one of whose angles is a right angle, while one of its latiture of the place where the instrument is to be used. The dial in such a way that its right angled corner is at the northern end of the base, or side on which it stands, while the side opposite to the right angle points directly toward the pole of the heavens, whose elevation above the horizon always equals the latitude of the The shadow of the snomon will

move across the plate on the side opposite to that on which the sun shines, and will reach, in succession, a series of hour lines, which must be drawn at such distances apart as to correspond with the relative positions of the principal meridians of the globe. The edge of the shadow approaches the gnomon before noon and recedes from it after noon.

At noon the sun will shine direct ly down upon the top of the up-right triangle, or exactly in its plane, and there will be no the moon line on the dial corresponding, as we have already seen, with the direction of the end itself. Standing on the south side of the dial, the forenoon hours will be on the left, and the afternoon ours on the right.

The proper position for the hour lines on the dial can be ascertained by a simple geometrical method, which is too long to be described here. It is very important to have the

meridian on the dial placed exact accordance with the real meridian, and the ascertainment of the latter is a problem in elementary practical astronomy. Many complicated and extremely beautiful forms of sun-dial were made in the days before clocks and watches became common. They are pre-cious curios for those who can ap-

THE RHYMING OPTIMIST

IME to stop your playing, time to settle down, leave the brooklet straying through the rushes brown; leave the golden grasses, leave the shadowed pool. little lads and lasses, time to start to school! Time to bend for hours over book and slate, time to leave the flowers, play will have to wait. Little voices, sighing, read of other lands; hours that once went flying drag on little hands. Patient comrade Rover, by the schoolhouse door. waits while lads discover "Two plus two make four." Seems a silly measure, leaving flowery ways, quitting play and pleasure for the reader's maze. Thoughtless grown-ups only would devise such schemes, leaving gardens lonely in the sunlight's gleams, leaving sand-piles waiting with their countless joys. pails and shovels prating of the girls and boys. Geog'aphy and writing take their dismal turn, nothing much exciting for a kid to learn. 'Rithmetic and reading, dreaded subjects both-summer days went speeding. these go like the sloth. Children's lips repeating lessons of the day while their thoughts are fleeting where the shadows stray, where the willows, sighing, whisper to the stream; where the red-birds flying set the woods a-gleam. Lonely winds sail, singing, o'er the lonely pool when the bells start ringing: "Time to come to school!". Though the asters beclaim, "Come and play once Two plus two make four

